bintec Workshop

Content Filtering

Version 0.9

Purpose

This document is part of the user's guide to the installation and configuration of bintec gateways running software release 7.1.4 or later. For up-to-the-minute information and instructions concerning the latest software release, you should always read our **Release Notes**, especially when carrying out a software update to a later release level. The latest **Release Notes** can be found at www.funkwerk-ec.com.

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R&TTE Directive 1999/5/EG

CE marking for all EU countries and Switzerland

You will find detailed information in the Declarations of Conformity at www.funkwerk-ec.com.

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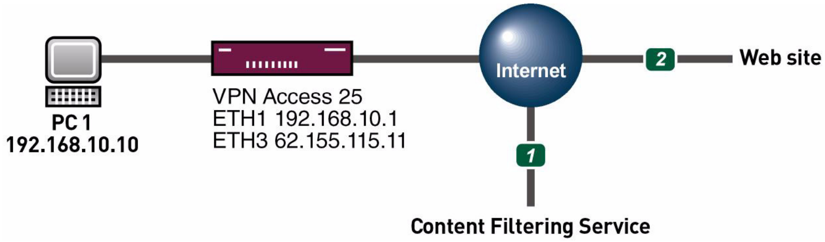
1 Introduction

The configuration of content filtering is described in the following chapters using a Bintec VPN Access 25 gateway. The Setup Tool is used for the configuration.

1.1 Scenario

The activation of a certain URL by a user from the local network is forwarded by the Bintec gateway to the Cobion Content Filtering Service. The Bintec gateway receives the classification of the requested Web site as result (step 1). This information can now be used to define whether the activation of the requested Web site is denied or allowed (step 2).



1.2 Requirements

The following are required for the configuration:

- A Bintec **VPN Access 25** gateway.
- An existing Internet access, see Bintec FAQs: **Configuring an xDSL connection over PPPoE**.
- Optional Orange Filter Ticket.
- A configured PC (see User’s Guide Part **Access and Configuration**).

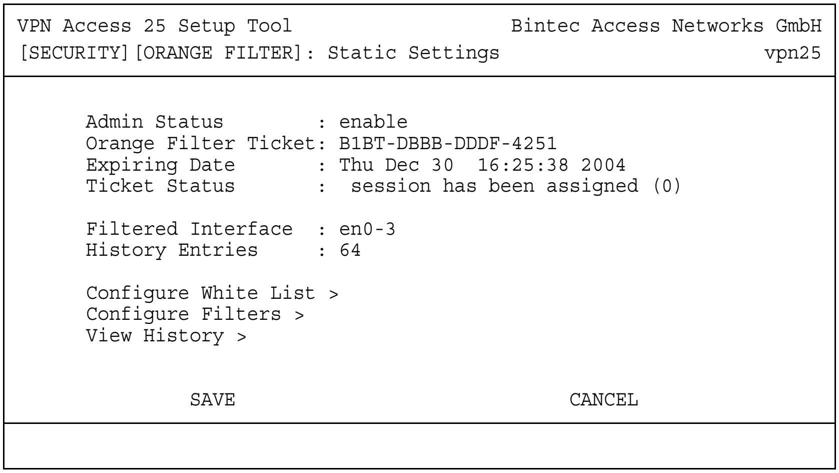
- Your LAN is connected over the first Ethernet interface (ETH 1) of your gateway.

☞ **Note**

A 30-day test version is supplied with the equipment from Release 7.1.1 onwards. For further use of the ***CONTENT FILTERING*** feature, it can be activated using a license for a period of one year at a time. If you have received an 18-digit ticket from ISS, all URLs are disabled by default. You must therefore enter the relevant categories under Filter (Action=*allow*). The ***DEFAULT BEHAVIOUR*** category is important here. Use the information in the **Release Notes for 7.1.1** for this purpose.

2 Configuration

- Go to ***Security* ➜ *Cobion Orange Filter*.**



```
VPN Access 25 Setup Tool                         Bintec Access Networks GmbH
[SECURITY][ORANGE FILTER]: Static Settings                             vpn25


      Admin Status          : enable
      Orange Filter Ticket: B1BT-DBBB-DDDF-4251
      Expiring Date         : Thu Dec 30  16:25:38 2004
      Ticket Status         :  session has been assigned (0)

      Filtered Interface    : en0-3
      History Entries       : 64

      Configure White List >
      Configure Filters >
      View History >


               SAVE                             CANCEL
```

The following fields are relevant:

Field	Meaning
Admin Status	Activates/deactivates the orange filter.
Orange Filter Ticket	Activated for 30 days.
Filtered Interface	For selecting the interface to be filtered.
History Entries	For selecting how many entries are saved.

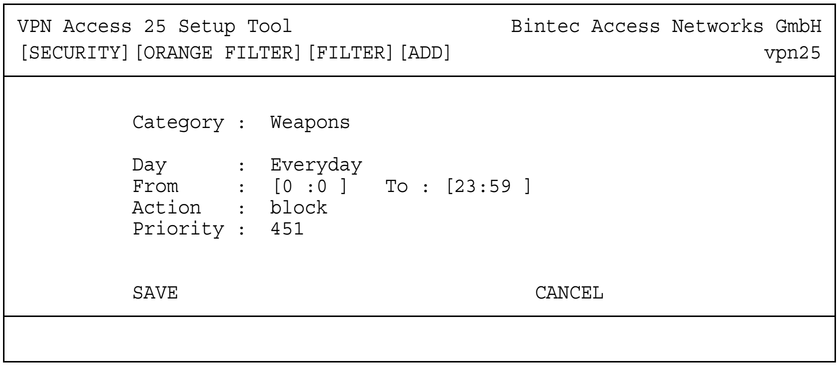
Table 2-1: Relevant fields in ***Security* ➜ *Cobion Orange Filter***

Proceed as follows to define the necessary settings:

- Set ***Admin Status*** to *enable*.
- Select the Ethernet interface to be filtered under ***Filtered Interface***, e.g. *en0-3*.
- Enter the number of entries to be saved under ***History Entries***, e.g. *64*.
- Press **SAVE** to confirm your settings.

2.1 Configuring the Filters

- Go to ***Security*** ➜ ***Cobion Orange Filter*** ➜ ***Configure Filters*** ➜ ***ADD.***



```
VPN Access 25 Setup Tool                    Bintec Access Networks GmbH
[SECURITY][ORANGE FILTER][FILTER][ADD]                            vpn25


          Category :  Weapons

          Day      :  Everyday
          From     :  [0 :0 ]   To :  [23:59 ]
          Action   :  block
          Priority :  451


          SAVE                                   CANCEL
```

The following fields are relevant:

Field	Meaning
Category	Type of filter.
Day	The days on which the filter is active.
From To	The start and end times between which the filter is active.
Action	Action in the event of a match.

Table 2-2: Relevant fields in ***Security*** ➜ ***Cobion Orange Filter*** ➜ ***Configure Filters*** ➜ ***ADD***

Proceed as follows to define the necessary settings:

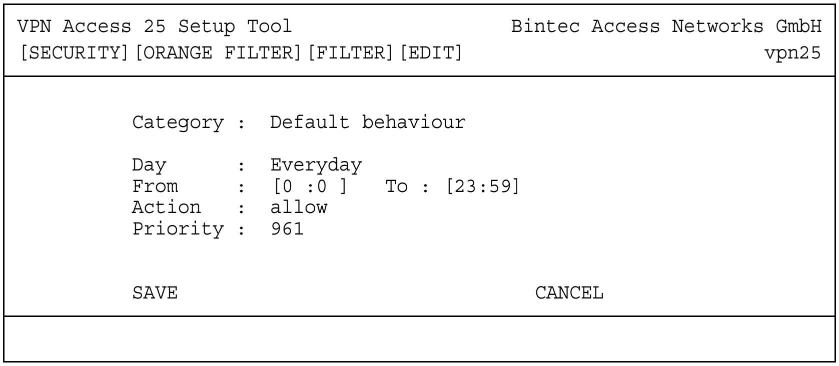
- Select a category under ***Category***, e.g. *Weapons.*
- Select the days of the week under ***Day***, e.g. *Everyday*.
- Enter the time under ***From*** - ***To***, e.g. *0.0 - 23.59.*
- Set ***Action*** to *block*.
- Leave ***Priority*** set to *271.*

- Press **SAVE** to confirm your settings.

Note

As everything is blocked by default, you must activate everything with *Default behaviour*.

- Go to ***SECURITY*** ➜ ***COBION ORANGE FILTER*** ➜ ***CONFIGURE FILTERS*** ➜ ***ADD.***



```
VPN Access 25 Setup Tool                          Bintec Access Networks GmbH
[SECURITY][ORANGE FILTER][FILTER][EDIT]                                 vpn25

           Category :  Default behaviour

           Day      :  Everyday
           From     :  [0 :0 ]   To : [23:59]
           Action   :  allow
           Priority :  961


           SAVE                                  CANCEL
```

The following fields are relevant:

Field	Meaning
Category	Type of filter.
Day	The days on which the filter is active.
From To	The start and end times between which the filter is active.
Action	Action in the event of a match.

Table 2-3: Relevant fields in ***SECURITY*** ➜ ***COBION ORANGE FILTER*** ➜ ***CONFIGURE FILTERS*** ➜ ***ADD***

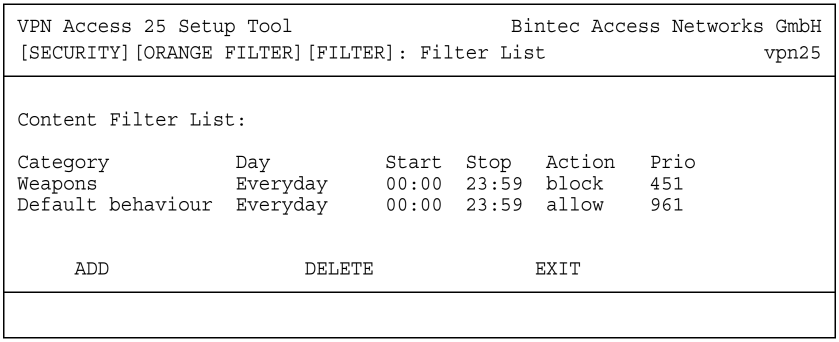
Proceed as follows to define the necessary settings:

- Select the category under ***CATEGORY***, e.g. *Default behaviour*.
- Select the days of the week under ***DAY***, e.g. *Everyday*.
- Enter the time under ***FROM*** - ***TO***, e.g. *0.0 - 23.59.*

- Set ***Action*** to *allow*.
- Leave ***Priority*** set to *961*.
- Press **SAVE** to confirm your settings.

The following overview results:

- Go to ***Security*** ➜ ***Cobion Orange Filter*** ➜ ***Configure Filters***.



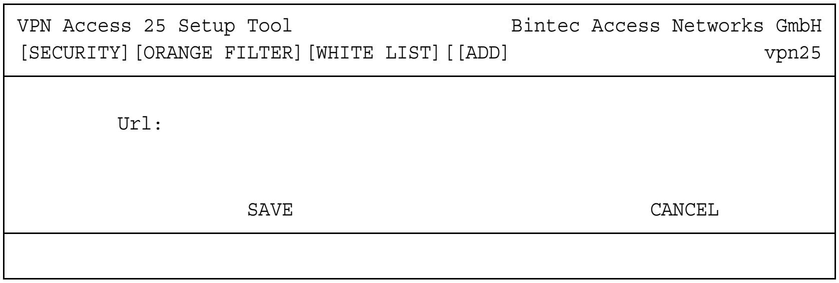
```
VPN Access 25 Setup Tool                         Bintec Access Networks GmbH
[SECURITY][ORANGE FILTER][FILTER]: Filter List                         vpn25


Content Filter List:

Category           Day          Start  Stop   Action   Prio
Weapons            Everyday     00:00  23:59  block    451
Default behaviour  Everyday     00:00  23:59  allow    961


     ADD                  DELETE              EXIT
```

2.2 Configuring White List

Note

For example, block the category "Auctions and Orders". A single Web site like *www.ebay.de* can still be activated. This Web site is entered in the White List, which means it can still be activated even though the category is blocked.

- Go to ***Security*** ➜ ***Cobion Orange Filter*** ➜ ***White List*** ➜ ***ADD.***



```
VPN Access 25 Setup Tool                           Bintec Access Networks GmbH
[SECURITY][ORANGE FILTER][WHITE LIST][[ADD]                              vpn25

     Url:


                      SAVE                                 CANCEL

```

The following field is relevant:

Field	Meaning
Url	Internet address for a Web site that is to be allowed even though the category is blocked.

Table 2-4: Relevant field in ***SECURITY*** ➜ ***COBION ORANGE FILTER*** ➜ ***WHITE LIST*** ➜ ***ADD***

Proceed as follows to define the necessary settings:

- Enter the Web site to be allowed.
- Press **SAVE** to confirm your settings.

Return to the main menu and finally save your new configuration in the flash memory with **EXIT** and **Save as boot configuration and exit**.

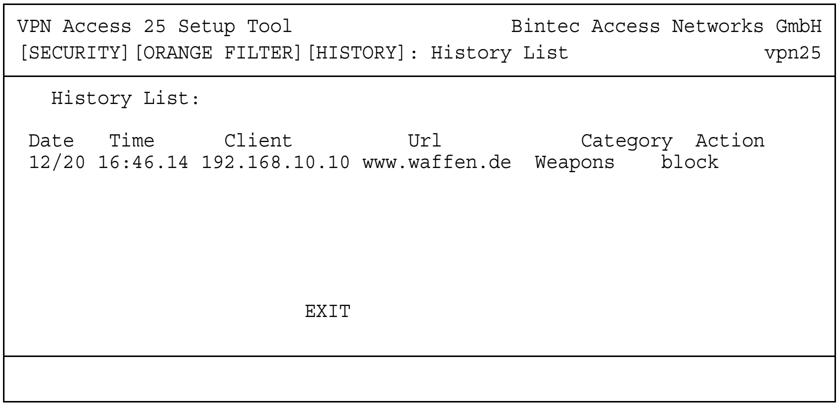
3 Result

You have now succeeded in blocking all Web sites in the weapons category in the Orange Cobion database. No other sites are blocked.

3.1 Test

To test whether the filter works, enter the following URL in the address bar of your Internet Explorer: *www.waffen.de*. Blocked sites are shown in the history.

- Go to ***SECURITY*** ➜ ***COBION ORANGE FILTER*** ➜ ***VIEW HISTORY.***



```
VPN Access 25 Setup Tool                   Bintec Access Networks GmbH
[SECURITY][ORANGE FILTER][HISTORY]: History List                 vpn25

   History List:

 Date   Time      Client          Url            Category  Action
 12/20 16:46.14 192.168.10.10 www.waffen.de  Weapons    block




                          EXIT
```

3.2 Overview of Configuration Steps

Field	Menu	Description	Compulsory field
Admin Status	***SECURITY → COBION ORANGE FILTER***	*enable*	Yes
Orange Filter Ticket	***SECURITY → COBION ORANGE FILTER***	e.g. *Your Cobion Ticket*	Yes
Filtered Interface	***SECURITY → COBION ORANGE FILTER***	e.g. *en0-3*	Yes
History Entries	***SECURITY → COBION ORANGE FILTER***	e.g. *64*	Yes
Category	***SECURITY → COBION ORANGE FILTER → CONFIGURE FILTERS → ADD***	e.g. *Weapons*	Yes
Day	***SECURITY → COBION ORANGE FILTER → CONFIGURE FILTERS → ADD***	e.g. *Everyday*	Yes
From - To	***SECURITY → COBION ORANGE FILTER → CONFIGURE FILTERS → ADD***	e.g. *0.00 - 23.59*	Yes
Action	***SECURITY → COBION ORANGE FILTER → CONFIGURE FILTERS → ADD***	*block*	Yes
Url	***SECURITY → COBION ORANGE FILTER → WHITE LIST → ADD***	e.g. *www.bintec.de*	